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	Application No.	Applicant(s)
Notice of Allowability	Application No.	Applicant(s)
	10/782,538	WANG, JENNIFER
	Examiner	Art Unit
	Lan Vinh	1765
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOR OF THE NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOR OF THE NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOR OF THE NOTICE OF T	OR REMAINS) CLOSED in orther appropriate commercer GHTS. This application is	n this application. If not included unication will be mailed in due course. THIS
1. \boxtimes This communication is responsive to <u>The amednment and responsive</u>	response filed on 2/10/200	<u>6</u> .
2. The allowed claim(s) is/are 1-6 and 8-20.		
 3. ☐ Acknowledgment is made of a claim for foreign priority und a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 		or (f).
2. Certified copies of the priority documents have	been received in Applicati	on No
Copies of the certified copies of the priority doc	uments have been receive	ed in this national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMITHIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file ENT of this application.	e a reply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives	tted. Note the attached EX s reason(s) why the oath o	AMINER'S AMENDMENT or NOTICE OF or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must	be submitted.	
(a) including changes required by the Notice of Draftsperso		w (PTO-948) attached
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	-	,
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment o	r in the Office action of
Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the	34(c)) should be written on t e header according to 37 Cl	he drawings in the front (not the back) of FR 1.121(d).
 DEPOSIT OF and/or INFORMATION about the depos attached Examiner's comment regarding REQUIREMENT F 	it of BIOLOGICAL MAT OR THE DEPOSIT OF BI	ERIAL must be submitted. Note the OLOGICAL MATERIAL.
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Ir	nformal Patent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview S	ummary (PTO-413),
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08	Paper No. 3), 7. ⊠ Examiner's	/Mail Date Amendment/Comment
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. X Examiner's	Statement of Reasons for Allowance
of Biological Material	9.	_•
		Lan Vinh AU 1765

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

The text in lines 1-2, after the claim identifier, of canceled claim 7 has been deleted

Allowable Subject Matter

2. Claims 1-6, 8-20 allowed.

The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the applicants have presented a persuasive argument, see pages 8-9 of the response filed on 2/10/2006, that the cited prior of record fails to disclose or suggest a method of dry plasma etching a semiconductor device structure comprises a step of sequentially providing a plurality of dry plasma reaction gas mixtures, each such mixture being chemically selected for, and having an etch rate corresponding to, each semiconductor material layer, the etch rate of each subsequent dry plasma reaction gas mixture being greater than the etch rate of each previous dry plasma reaction gas mixture, in combination with the rest of the steps of claim 1.

Regarding claims 19, 20, the applicants have presented a persuasive argument, see pages 9-10 of the response filed on 2/10/2006, that the cited prior of record fails to disclose or suggest a method of dry plasma etching a semiconductor device structure

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comprises a limitation of wherein the etch rate of the subsequent dry plasma reaction gas mixture is greater than the etch rate of the initial dry plasma reaction gas mixture/ wherein the etch rate of each subsequent dry plasma reaction gas mixture is greater than the etch rate of each previous dry plasma reaction gas mixture, in combination with the rest of the limitations of claims 19, 20.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lan Vinh whose telephone number is 571 272 1471. The examiner can normally be reached on M-F 8:30-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine Norton can be reached on 571 272 1465. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

April 7, 2006 •